HEAT TRANSFER FLUID & OIL FILTRATION SYSTEM

- Reduce Fouling
- Control Degradation
- Minimize Unscheduled Maintenance
- Increase Heat Transfer Efficiency
- Clean Fluids Without Disrupting System Operation
- Reduce Wear of Seals, Pumps, Valves
- Reduce Overall Heat Transfer Fluid Cost
- Increase Production Rates

VECTOR SERIES WITH BYPASS

Flow Rates 5 USGPM and 15 USGPM or 19 LPM and 57 LPM

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Patent #6221246
The patented Vector filter system is designed for immediate incorporation, on a side stream and continuous basis, as part of a heat transfer fluid recirculation system. Installed on the filter are inlet and outlet gate valves on either side of the filter and a bypass globe valve for constant circulation of the oil around the filter. The bypass valve is always left open to maintain flow through the system as the filter element gets loaded with carbon, coke and sludge.

The element is replaced without shutting down the heating system. The inlet and outlet valves are shut off, maintaining flow through the bypass. The filter is cooled and the element removed and replaced with a new one. To re-commission the filter, tighten and torque the top closure plate, open the valves on the filter and purge any air from the housing through the vent valve on top. The filter is now “on line.”

Filtration on existing systems can be initiated at 100 to 50 microns and reduced down over time to 10-micron particle removal. On new systems, filtration can be initiated at 10-micron particle removal.

*Elements range from 100, 50, 25 and 10 microns particle size removal.